



US Army Corps  
of Engineers  
Alaska District

# Public Notice of Application for Permit

Regulatory Branch (1145)  
CEPOA-CO-R  
Post Office Box 6898  
Elmendorf AFB, Alaska 99506-0898

**PUBLIC NOTICE DATE:** January 19, 2007  
**EXPIRATION DATE:** February 19, 2007  
**REFERENCE NUMBER:** POA-2006-1368-4  
**WATERWAY:** HARRIS RIVER

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States as described below and shown on the attached plan.

**APPLICANT:** State of Alaska, Department of Natural Resources, Division of Mining Land and Water, Realty Services, 550 W. 7<sup>th</sup> Avenue, Suite 1050, Anchorage, Alaska 99501; Contact: Mr. Eric Simons, P.L.S., (907) 269-8524.

**LOCATION:** The proposed project is located within Sections 11-14, T. 74 S., R. 83 E., Copper River Meridian; Latitude 55.4625° N., Longitude 132.7472° W.; Harris River West Subdivision, near Hollis, Alaska.

**PURPOSE:** To construct and improve Harris River Road to provide access to subdivision lots.

**WORK:** The applicant proposes to construct a 31.5-foot wide (toe-to-toe) by 2 700-foot long access road. Construction of the road would involve the placement of 1,288 cubic yards of shot rock and gravel into 0.42-acre of wetlands, and the installation of seven 24-inch culverts to maintain natural drainage patterns at the site.

**ADDITIONAL INFORMATION:** The road will provide access to 29 undeveloped lots in the Harris River West Subdivision. Each individual lot owner will be required to apply and obtain any necessary authorizations for their lot from the Corps of Engineers (Corps). However, since the Corps is required to review the cumulative impacts of the proposal as a whole; we have required the applicant to provide the proposed typical development and impacts that would occur on each lot. Our evaluation will assess the impacts of the entire subdivision; however, any authorization issued would be only for the access road and drainage culverts proposed above.

**MITIGATION:** The applicant has avoided and minimized impacts to wetlands on the project site by designing the subdivision for development of the lots with little, if any, additional impacts to wetlands.

**WATER QUALITY CERTIFICATION:** A permit for the described work will not be issued until a certification or waiver of certification as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation.

COASTAL ZONE MANAGEMENT ACT CERTIFICATION: Section 307(c)(3) of the Coastal Zone, Management Act of 1972, as amended by 16 U.S.C. 1456(c)(3), requires the applicant to certify that the described activity affecting land or water uses in the Coastal Zone complies with the Alaska Coastal Management Program. A permit will not be issued until the Office of Project Management and Permitting, Department of Natural Resources has concurred with the applicant's certification.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, reasons for holding a public hearing.

CULTURAL RESOURCES: The latest published version of the Alaska Heritage Resources Survey (AHRs) has been consulted for the presence or absence of historic properties, including those listed in or eligible for inclusion in the National Register of Historic Places. There are no listed or eligible properties in the vicinity of the worksite. Consultation of the AHRs constitutes the extent of cultural resource investigations by the District Engineer at this time, and he is otherwise unaware of the presence of such resources. This application is being coordinated with the State Historic Preservation Office (SHPO). Any comments SHPO may have concerning presently unknown archeological or historic data that may be lost or destroyed by work under the requested permit will be considered in our final assessment of the described work.

TRIBAL CONSULTATION: The Alaska District fully supports tribal self-governance and government-to-government relations between the Federal government and Federally recognized Tribes. This notice invites participation by agencies, Tribes, and members of the public in the Federal decision-making process. In addition, Tribes with protected rights or resources that could be significantly affected by a proposed Federal action (e.g., a permit decision) have the right to consult with the Alaska District on a government-to-government basis. Views of each Tribe regarding protected rights and resources will be accorded due consideration in this process. This Public Notice serves as notification to the Tribes within the area potentially affected by the proposed work and invites their participation in the Federal decision-making process regarding the protected Tribal right or resource. Consultation may be initiated by the affected Tribe upon written request to the District Engineer during the public comment period.

ENDANGERED SPECIES: Preliminarily, the described activity will not affect threatened or endangered species, or modify their designated critical habitat, under the Endangered Species Act of 1973 (87 Stat. 844). This application is being coordinated with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service. Any comments they may have concerning endangered or threatened wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

ESSENTIAL FISH HABITAT: The proposed work is being evaluated for possible effects to Essential Fish Habitat (EFH) pursuant to the Magnuson Stevens Fishery Conservation and Management Act of 1996 (MSFCMA), 16 U.S.C. et seq and associated federal regulations found at 50 CFR 600 Subpart K. The Alaska District includes areas of EFH as Fishery Management Plans. We have reviewed the January 20, 1999, North Pacific Fishery Management Council's Environmental Assessment to locate EFH area as identified by the National Marine Fisheries Service (NMFS), and have determined that the described activity within the proposed area will not adversely affect EFH, including anadromous fish and federally managed fishery resources.

SPECIAL AREA DESIGNATION: None.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. That decision should reflect the national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving 404 discharges, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the described work, with the reference number, should reach this office no later than the expiration date of this Public Notice to become part of the record and be considered in the decision. If further information is desired concerning this public notice, please contact Ms. Nicole Hayes at (907) 753-2712, toll free from within Alaska at (800) 478-2712, or by email at [nicole.m.hayes@poa02.usace.army.mil](mailto:nicole.m.hayes@poa02.usace.army.mil).

AUTHORITY: This permit will be issued or denied under the following authorities:

(X) Discharge dredged or fill material into waters of the United States - Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

A plan, and Notice of Application for Certification of Consistency with the Alaska Coastal Management Program are attached to this Public Notice.

District Engineer  
U.S. Army, Corps of Engineers

Attachments



**WETLAND DETERMINATION**  
**ASLS 2004-29 HARRIS RIVER WEST SUBD.**  
 LOCATED IN SECTIONS 11 THROUGH 14,  
 TOWNSHIP 74 SOUTH, RANGE 83 EAST,  
 COPPER RIVER MERIDIAN, ALASKA

**LEGEND**

- CULVERT LOCATIONS
- TEST PIT
- VISUAL INSPECTION
- BEAR DEN
- DATE OF INSPECTION
- WETLAND BOUNDARY

5/18/06 - 9/29/06

**BAR SCALE**

0 300' 600'

DATE: 12/22/2006

SCALE 1" = 300'

TRACT A  
45° PLUS SLOPES W/S SMALL WELL DEFINED DRAINAGES

Klamath - Hollis Hwy

TRACT B

TRACT C

TRACT D

BLOCK 1

BLOCK 2

BLOCK 3

BLOCK 4

BLOCK 5

BLOCK 6

BLOCK 7

BLOCK 8

BLOCK 9

BLOCK 10

BLOCK 11

BLOCK 12

BLOCK 13

BLOCK 14

BLOCK 15

BLOCK 16

BLOCK 17

BLOCK 18

BLOCK 19

BLOCK 20

BLOCK 21

BLOCK 22

BLOCK 23

BLOCK 24

BLOCK 25

BLOCK 26

BLOCK 27

BLOCK 28

BLOCK 29

BLOCK 30

BLOCK 31

BLOCK 32

BLOCK 33

BLOCK 34

BLOCK 35

BLOCK 36

BLOCK 37

BLOCK 38

BLOCK 39

BLOCK 40

BLOCK 41

BLOCK 42

BLOCK 43

BLOCK 44

BLOCK 45

BLOCK 46

BLOCK 47

BLOCK 48

BLOCK 49

BLOCK 50

BLOCK 51

BLOCK 52

BLOCK 53

BLOCK 54

BLOCK 55

BLOCK 56

BLOCK 57

BLOCK 58

BLOCK 59

BLOCK 60

BLOCK 61

BLOCK 62

BLOCK 63

BLOCK 64

BLOCK 65

BLOCK 66

BLOCK 67

BLOCK 68

BLOCK 69

BLOCK 70

BLOCK 71

BLOCK 72

BLOCK 73

BLOCK 74

BLOCK 75

BLOCK 76

BLOCK 77

BLOCK 78

BLOCK 79

BLOCK 80

BLOCK 81

BLOCK 82

BLOCK 83

BLOCK 84

BLOCK 85

BLOCK 86

BLOCK 87

BLOCK 88

BLOCK 89

BLOCK 90

BLOCK 91

BLOCK 92

BLOCK 93

BLOCK 94

BLOCK 95

BLOCK 96

BLOCK 97

BLOCK 98

BLOCK 99

BLOCK 100

BLOCK 101

BLOCK 102

BLOCK 103

BLOCK 104

BLOCK 105

BLOCK 106

BLOCK 107

BLOCK 108

BLOCK 109

BLOCK 110

BLOCK 111

BLOCK 112

BLOCK 113

BLOCK 114

BLOCK 115

BLOCK 116

BLOCK 117

BLOCK 118

BLOCK 119

BLOCK 120

BLOCK 121

BLOCK 122

BLOCK 123

BLOCK 124

BLOCK 125

BLOCK 126

BLOCK 127

BLOCK 128

BLOCK 129

BLOCK 130

BLOCK 131

BLOCK 132

BLOCK 133

BLOCK 134

BLOCK 135

BLOCK 136

BLOCK 137

BLOCK 138

BLOCK 139

BLOCK 140

BLOCK 141

BLOCK 142

BLOCK 143

BLOCK 144

BLOCK 145

BLOCK 146

BLOCK 147

BLOCK 148

BLOCK 149

BLOCK 150

BLOCK 151

BLOCK 152

BLOCK 153

BLOCK 154

BLOCK 155

BLOCK 156

BLOCK 157

BLOCK 158

BLOCK 159

BLOCK 160

BLOCK 161

BLOCK 162

BLOCK 163

BLOCK 164

BLOCK 165

BLOCK 166

BLOCK 167

BLOCK 168

BLOCK 169

BLOCK 170

BLOCK 171

BLOCK 172

BLOCK 173

BLOCK 174

BLOCK 175

BLOCK 176

BLOCK 177

BLOCK 178

BLOCK 179

BLOCK 180

BLOCK 181

BLOCK 182

BLOCK 183

BLOCK 184

BLOCK 185

BLOCK 186

BLOCK 187

BLOCK 188

BLOCK 189

BLOCK 190

BLOCK 191

BLOCK 192

BLOCK 193

BLOCK 194

BLOCK 195

BLOCK 196

BLOCK 197

BLOCK 198

BLOCK 199

BLOCK 200

BLOCK 201

BLOCK 202

BLOCK 203

BLOCK 204

BLOCK 205

BLOCK 206

BLOCK 207

BLOCK 208

BLOCK 209

BLOCK 210

BLOCK 211

BLOCK 212

BLOCK 213

BLOCK 214

BLOCK 215

BLOCK 216

BLOCK 217

BLOCK 218

BLOCK 219

BLOCK 220

BLOCK 221

BLOCK 222

BLOCK 223

BLOCK 224

BLOCK 225

BLOCK 226

BLOCK 227

BLOCK 228

BLOCK 229

BLOCK 230

BLOCK 231

BLOCK 232

BLOCK 233

BLOCK 234

BLOCK 235

BLOCK 236

BLOCK 237

BLOCK 238

BLOCK 239

BLOCK 240

BLOCK 241

BLOCK 242

BLOCK 243

BLOCK 244

BLOCK 245

BLOCK 246

BLOCK 247

BLOCK 248

BLOCK 249

BLOCK 250

BLOCK 251

BLOCK 252

BLOCK 253

BLOCK 254

BLOCK 255

BLOCK 256

BLOCK 257

BLOCK 258

BLOCK 259

BLOCK 260

BLOCK 261

BLOCK 262

BLOCK 263

BLOCK 264

BLOCK 265

BLOCK 266

BLOCK 267

BLOCK 268

BLOCK 269

BLOCK 270

BLOCK 271

BLOCK 272

BLOCK 273

BLOCK 274

BLOCK 275

BLOCK 276

BLOCK 277

BLOCK 278

BLOCK 279

BLOCK 280

BLOCK 281

BLOCK 282

BLOCK 283

BLOCK 284

BLOCK 285

BLOCK 286

BLOCK 287

BLOCK 288

BLOCK 289

BLOCK 290

BLOCK 291

BLOCK 292

BLOCK 293

BLOCK 294

BLOCK 295

BLOCK 296

BLOCK 297

BLOCK 298

BLOCK 299

BLOCK 300

BLOCK 301

BLOCK 302

BLOCK 303

BLOCK 304

BLOCK 305

BLOCK 306

BLOCK 307

BLOCK 308

BLOCK 309

BLOCK 310

BLOCK 311

BLOCK 312

BLOCK 313

BLOCK 314

BLOCK 315

BLOCK 316

BLOCK 317

BLOCK 318

BLOCK 319

BLOCK 320

BLOCK 321

BLOCK 322

BLOCK 323

BLOCK 324

BLOCK 325

BLOCK 326

BLOCK 327

BLOCK 328

BLOCK 329

BLOCK 330

BLOCK 331

BLOCK 332

BLOCK 333

BLOCK 334

BLOCK 335

BLOCK 336

BLOCK 337

BLOCK 338

BLOCK 339

BLOCK 340

BLOCK 341

BLOCK 342

BLOCK 343

BLOCK 344

BLOCK 345

BLOCK 346

BLOCK 347

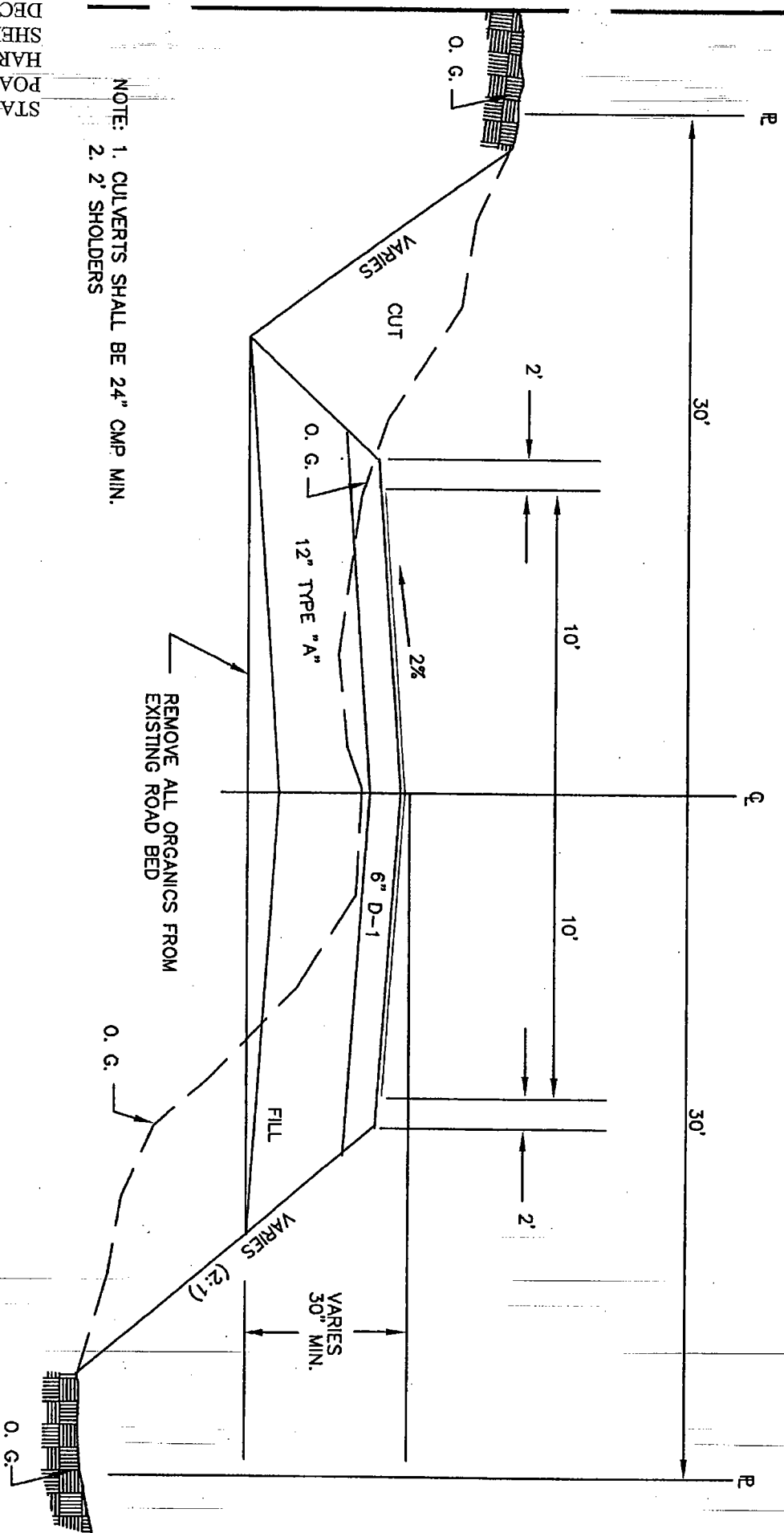
BLOCK 348

BLOCK 349

BLOCK 350</

WETLAND DETERMINATION  
ASLS 2004-29 HARRIS RIVER WEST SUBD.  
LOCATED IN SECTIONS 11 THROUGH 14,  
TOWNSHIP 74 SOUTH, RANGE 83 EAST,  
COPPER RIVER MERIDIAN, ALASKA

# ASLS 2004-29 HARRIS RIVER WEST SUBD HARRIS RIVER ROAD TEMPLATE



NOTE: 1. CULVERTS SHALL BE 24" CMP MIN.  
2. 2' SHOULDERS

REMOVE ALL ORGANICS FROM  
EXISTING ROAD BED

VARIES  
30" MIN.

STATE OF ALASKA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND & WATER  
SURVEY UNIT  
MAY 4, 2006

STATE OF ALASKA  
POA-2006-1368-4  
HARRIS RIVER  
SHEET 3 OF 6  
DECEMBER 22, 2006

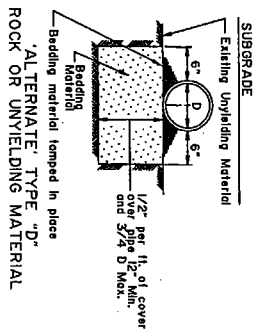
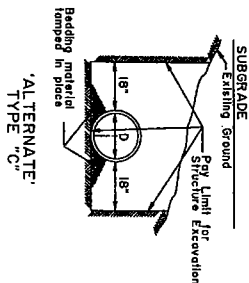
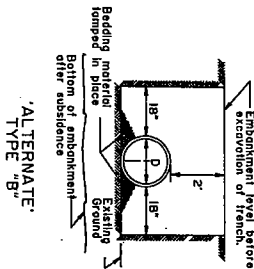
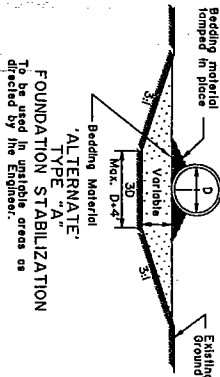
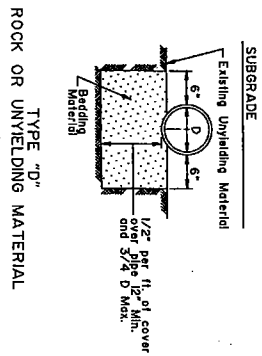
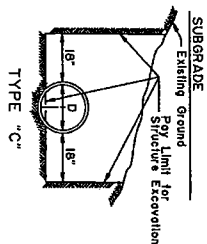
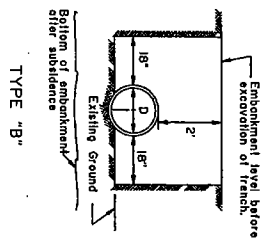
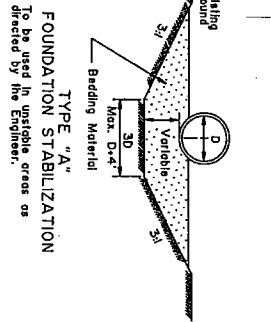
POA-2006-1368-4

**D-01.02**

SHEET  
1 of 1

**GENERAL NOTES:**

1. Sidefill shall be placed and compacted with care under haunches of pipe and shall be brought up evenly and simultaneously on both sides of pipe to 1 foot above the top of the full length of the pipe.
2. Alternate installation methods may only be used when specified or approved by the Engineer.



**CULVERT PIPE**

MULTIPLE INSTALLATIONS	
Dia.	Minimum Space Between Pipes
0" - 42"	24"
48" & Over	1/2 Dia. of pipe or 3', whichever is less.

S = Nominal Pipe Arch Span



MULTIPLE INSTALLATIONS	
Dia.	Minimum Space Between Pipes
0" - 42"	24"
48" & Over	1/2 Span of pipe arch or 3', whichever is less.

REVISIONS	
DATE	DESCRIPTION
12/10/02	Revised for 18" Pipes
12/10/02	Revised for 18" Pipes
12/10/02	Revised for 18" Pipes

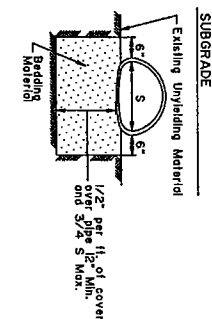
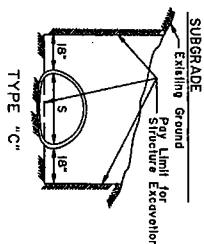
State of Alaska  
Department of Transportation  
& Public Facilities  
**CULVERT PIPE & ARCH  
INSTALLATION DETAILS**



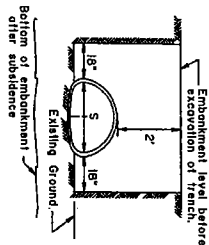
D-01.02

**ARCH**

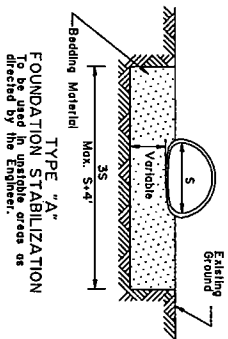
**TYPE 'D' ROCK OR UNYIELDING MATERIAL**

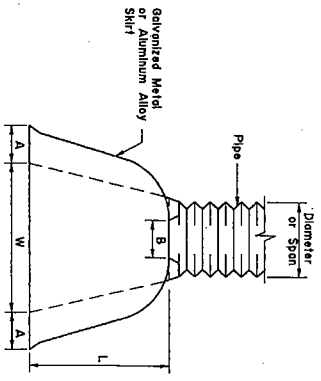


**TYPE 'B'**

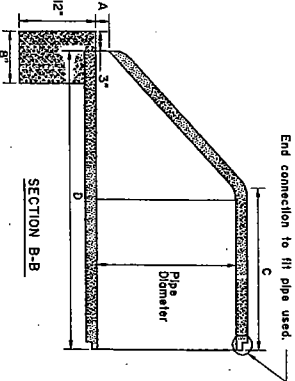


**TYPE 'A'**



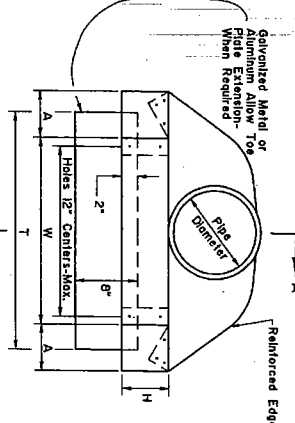


ROUND AND PIPE ARCH

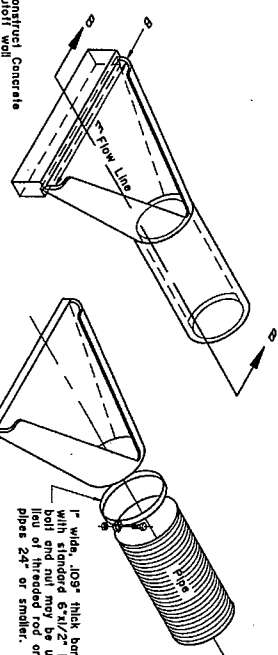


SECTION B-B

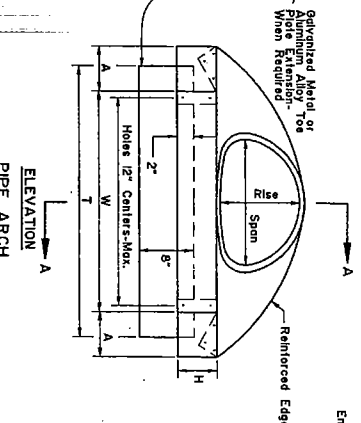
Pipe Diameter	MINIMUM DIMENSIONS				
	A	B	C	D	E
6"	1 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
8"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
10"	2 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
12"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
14"	2 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
16"	3"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
18"	3 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
20"	3 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
22"	3 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
24"	4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
26"	4 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
28"	4 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
30"	4 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
32"	5"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
34"	5 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
36"	5 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
38"	5 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
40"	6"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
42"	6 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
44"	6 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
46"	6 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
48"	7"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
50"	7 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
52"	7 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
54"	7 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
56"	8"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
58"	8 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
60"	8 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
62"	8 3/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
64"	9"	2 1/2"	2 1/2"	2 1/2"	2 1/2"



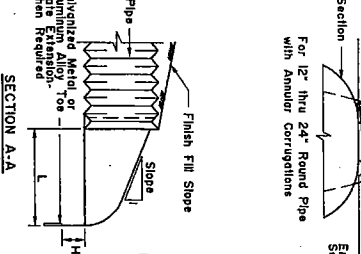
ROUND PIPE



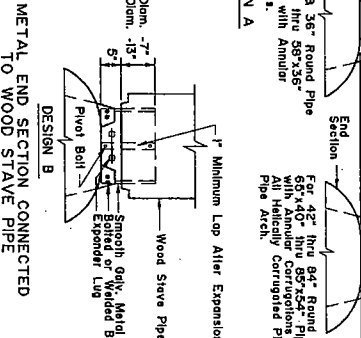
PRECAST CONCRETE END SECTION



PIPE ARCH



SECTION A-A



METAL END SECTION CONNECTED TO WOOD STAKE PIPE

Pipe Arch	Thickness for Aluminum Metal	ROUND PIPE									
		Dimension Inches					Dimension Inches				
Pipe Arch	Thickness for Aluminum Metal	A	B	C	D	E	F	G	H	I	J
6"	0.060	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
8"	0.060	1 1/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"
10"	0.060	1 3/4"	2"	2"	2"	2"	2"	2"	2"	2"	2"
12"	0.060	2"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"
14"	0.060	2 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
16"	0.060	2 1/2"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"
18"	0.060	2 3/4"	3"	3"	3"	3"	3"	3"	3"	3"	3"
20"	0.060	3"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"
22"	0.060	3 1/4"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
24"	0.060	3 1/2"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"
26"	0.060	3 3/4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
28"	0.060	4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"
30"	0.060	4 1/4"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
32"	0.060	4 1/2"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"
34"	0.060	4 3/4"	5"	5"	5"	5"	5"	5"	5"	5"	5"
36"	0.060	5"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"
38"	0.060	5 1/4"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"
40"	0.060	5 1/2"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"
42"	0.060	5 3/4"	6"	6"	6"	6"	6"	6"	6"	6"	6"
44"	0.060	6"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"
46"	0.060	6 1/4"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"
48"	0.060	6 1/2"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"
50"	0.060	6 3/4"	7"	7"	7"	7"	7"	7"	7"	7"	7"
52"	0.060	7"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"
54"	0.060	7 1/4"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"
56"	0.060	7 1/2"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"
58"	0.060	7 3/4"	8"	8"	8"	8"	8"	8"	8"	8"	8"
60"	0.060	8"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"
62"	0.060	8 1/4"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"
64"	0.060	8 1/2"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"

Pipe Arch	Thickness for Aluminum Metal	PIPE ARCH									
		Dimension Inches					Dimension Inches				
Pipe Arch	Thickness for Aluminum Metal	A	B	C	D	E	F	G	H	I	J
6"	0.060	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
8"	0.060	1 1/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"	1 3/4"
10"	0.060	1 3/4"	2"	2"	2"	2"	2"	2"	2"	2"	2"
12"	0.060	2"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"	2 1/4"
14"	0.060	2 1/4"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
16"	0.060	2 1/2"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 3/4"
18"	0.060	2 3/4"	3"	3"	3"	3"	3"	3"	3"	3"	3"
20"	0.060	3"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"	3 1/4"
22"	0.060	3 1/4"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
24"	0.060	3 1/2"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"
26"	0.060	3 3/4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
28"	0.060	4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"	4 1/4"
30"	0.060	4 1/4"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
32"	0.060	4 1/2"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"	4 3/4"
34"	0.060	4 3/4"	5"	5"	5"	5"	5"	5"	5"	5"	5"
36"	0.060	5"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"
38"	0.060	5 1/4"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	5 1/2"
40"	0.060	5 1/2"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"	5 3/4"
42"	0.060	5 3/4"	6"	6"	6"	6"	6"	6"	6"	6"	6"
44"	0.060	6"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"
46"	0.060	6 1/4"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"	6 1/2"
48"	0.060	6 1/2"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"
50"	0.060	6 3/4"	7"	7"	7"	7"	7"	7"	7"	7"	7"
52"	0.060	7"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	7 1/4"
54"	0.060	7 1/4"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"
56"	0.060	7 1/2"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"	7 3/4"
58"	0.060	7 3/4"	8"	8"	8"	8"	8"	8"	8"	8"	8"
60"	0.060	8"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"	8 1/4"
62"	0.060	8 1/4"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"	8 1/2"
64"	0.060	8 1/2"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"	8 3/4"

GENERAL NOTES:

1. Toe plate extensions will be required for all pipe arches. When required, the toe plate extensions shall be punched with holes to match those in lip of skirt and fastened with 3/8 inch or larger galvanized nuts and washers at the end section.
2. Galvanized Metal or Aluminum Alloy End Sections may be used on Wood Stake and Plastic Pipes.
3. All 3 piece bodies shall have 12" overlap and 10" overlap center shall have lap seams which are to be tightly joined by 3/8" galvanized rivets or bolts.

Sheet 1 of 3

State of Alaska Department of Transportation & Public Facilities

DESIGNED BY: *[Signature]*

CHECKED BY: *[Signature]*

DATE: 7/10/02

PROJECT: *[Blank]*

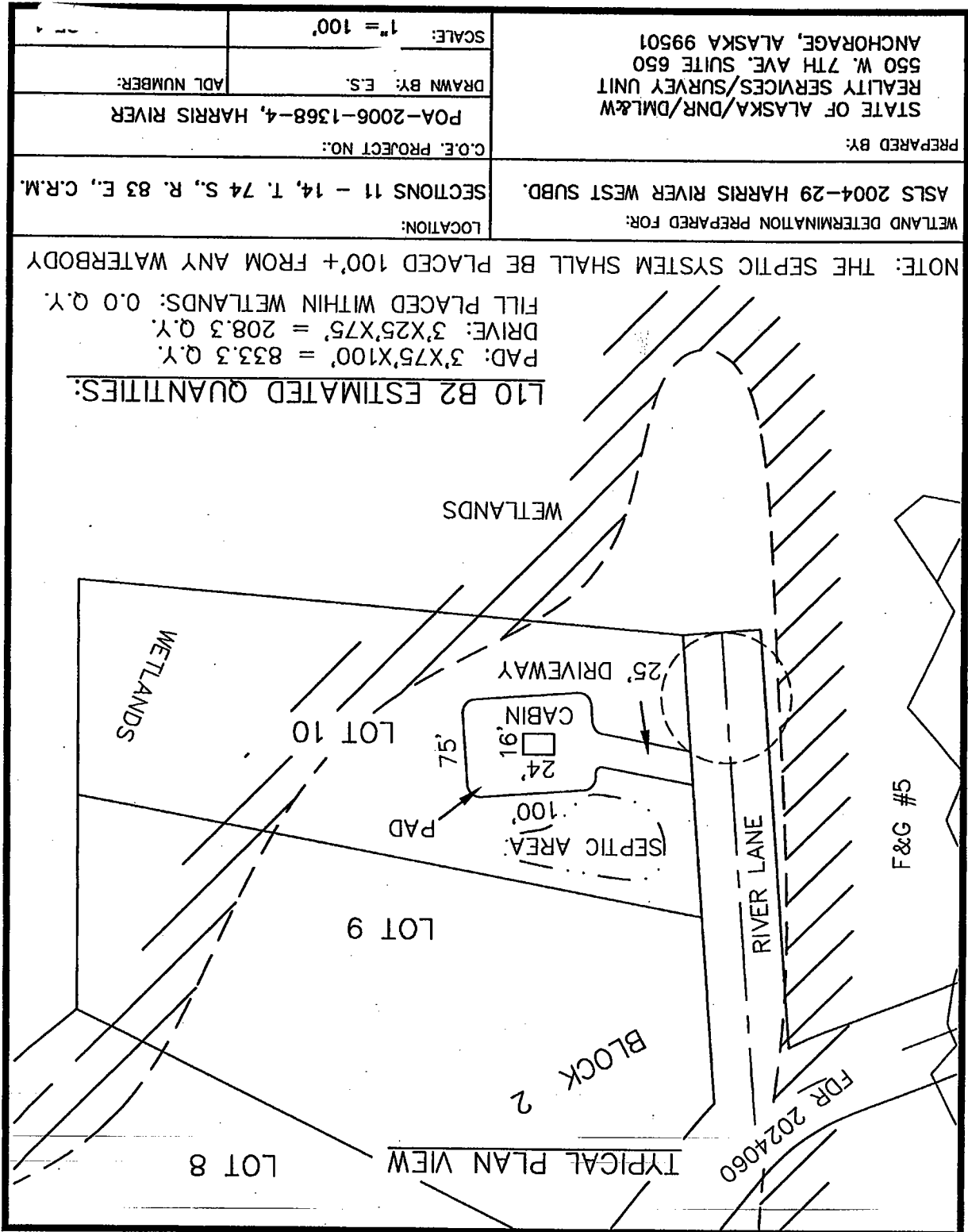
LOCATION: *[Blank]*

SCALE: *[Blank]*

REVISIONS:

NO.	DATE	DESCRIPTION
1	7/10/02	ISSUED FOR BIDDING





VIII) Appendix C (Typical Lot Development Plan View)

# STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES  
OFFICE OF PROJECT MANAGEMENT AND PERMITTING

OFFICE OF PROJECT MANAGEMENT AND PERMITTING  
POST OFFICE BOX 111030, MS 1030  
JUNEAU, ALASKA 99801-1030  
PHONE: (907) 465-3562/FAX: (907) 465-3075

**NOTICE OF APPLICATION  
FOR  
CERTIFICATION OF CONSISTENCY WITH THE  
ALASKA COASTAL MANAGEMENT PROGRAM**

Notice is hereby given that a request is being filed with the Office of Project Management and Permitting for a consistency determination, as provided in Section 307(c)(3) of the Coastal Zone Management Act of 1972, as amended [16 U.S.C. 1456(c)(3)], that the project described in the Corps of Engineers Public Notice No.: **POA-2006-1368-4, Harris River**, will comply with the Alaska Coastal Management Program and that the project will be conducted in a manner consistent with that program.

This project is being reviewed for consistency with the Alaska Coastal Management Program. Written comments about the consistency of the project with the applicable ACMP statewide standards and district policies must be submitted to the Office of Project Management and Permitting. For information about this consistency review, contact OPMP at (907) 269-7470 or (907) 465-3562, or visit the ACMP web site at <http://www.gov.state.ak.us/gdc/Projects/projects.html>.